



Wesleyan University

Middleton, Oct. March 20, 1839.

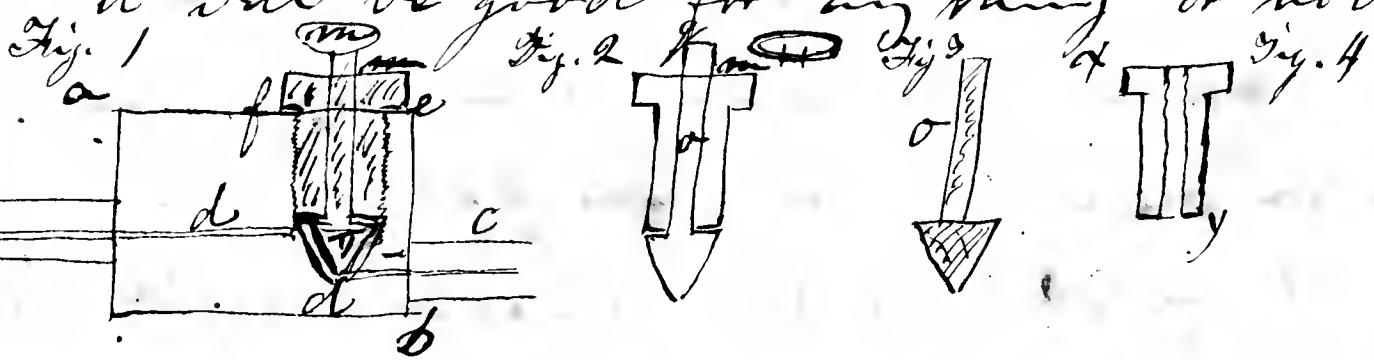
a parcel of some time since came safely to hand.

As you remark, I cannot conceive how the two excellent editors of the American Journal of Science could make such a mistake concerning solid carbonic acid I cannot conceive!

Please accept my thanks for your suggestion concerning the best method of securing liquid carbonic acid in glass tubes. I have had no time at command to experiment further since I wrote.

I have not been able to proceed any further in the construction of the "improved stopcock" (as you are pleased to call it) for gases under high pressure, and it is yet quite problematical whether it will prove to be really an "improvement" or the reverse; nor am I able to say as there is even anything new about it though I never saw or heard of any thing of the kind, except Dr. Mitchell's double conical stopcock, of the construction of which I must confess I cannot form a very definite idea!

I will give you a description of the stop-work
proprietary, and for which I have the castings ready,
but have not ~~had~~ had sufficient time to finish
it. Perhaps you can tell me at a glance whether
it will be good for anything or not.



Let $a b$ be a solid piece of brass 2 inches square and $1\frac{1}{8}$ inch thick, and in the side
drill a hole $\frac{7}{16}$ inch in diameter to a sufficient
depth to hold a cast steel screw with firmness
and let it be
conical at bottom as at d . Let a cast steel screw
as $x y$ (right-hand figure) be fitted to this instead
screw with a firm shoulder to bear upon the solid
piece of brass at $e f$ fig. 1; in this screw drill another
hole to receive the screw a , fig. 3 with its inverted
cone at bottom. If every part is properly constructed
we may screw the part a , fig. 3, into $x y$, fig. 4,
and the shoulder will come against the lower extremity
at y which is supposed to be accurately polished, and it will
be as represented in fig. 2; and to the top g of the
part a may be fitted the thumb-piece m . The

which may now be screwed into the plan fixed
in the solid pine of brass a b, and will be as
represented in fig. 1. Now if c represents the tube
which leads to the generator, and d the tube
leading into the open air or another receiver,
it appears plain that when closed the animal
point will be sufficient to prevent the escape of
the gas; and by starting the thumb-screw on
the gas is permitted to pass out but can escape in
no other direction! Will it work? Shall it be
better or worse than the double conical stop-
cock?

We have met with an irreparable loss
in the death of our esteemed president, Dr. T. H.
You letter came during his illness; and on being
presented with your kind salutation, he expressed his
regard for you and wished to be remembered to you
when I should write again.

Very respectfully
John Torrey M.D. John Thompson



John Adams. M.D.
Author of *Principles and Practice*
of Medicine. London 1860
W. Black.

Rec'd. May 6th

Wesleyan University

Middleton, Ct. May 6, 1839.

Dear Sir. Accept my thanks for your late favor, which came to hand in due time. I was gratified to hear of your success in solidifying carb. acid, though of course known, in your judicious hands, such would be the result. Under less pressing engagements than mine are just at the present time, I should probably have visited N. York previous to this time, in the hope of witnessing one of your experiments.

My last letter was necessarily written in a very hasty manner, and I feared it did not express clearly and precisely what I intended. Had it done so, it would have been seen that my proposed stopcock ~~sustained~~ did not contain the radical defect you supposed! The escape of the gas around the side of the valve-shank was supposed to be prevented in the same manner as in the one proposed by Dr. Mitchell, as described in your last; and so indeed my proposed stopcock differs from his only in having an unequal point to the valve to stop the gas from escaping when it is

closed, instead of a "dead bracing"? The construction proposed by Dr. M., I am inclined to think, all things considered, will be found superior to any other. I hope by and by to make some experiments on this point, but at present have no time to devote to it.

But a day or two before your letter arrived I had been drawing my attention to the remains of infusoria, or rather the articles that have appeared on the subject, and was desirous to search for them in this vicinity, but had done nothing as yet. I will endeavor to obtain some specimens from Stamford. How high a magnifying power is required to discern them?

Will it be asking too much of you to request you to get a stop-cock made for me by the workman to whom you refer? I wish it made to connect the generator and receiver, and of sufficient length to be attached to the ~~flange~~ rather than the body of the generator and receiver, as I understand was the case with yours. If it should be convenient for you to attend to it, I wish it made strong and substantial, but the outside may be left in a rough state, all the labor being expended upon it that may be necessary to make it answer perfectly the purpose for which it is designed, and no more. If it can be made and

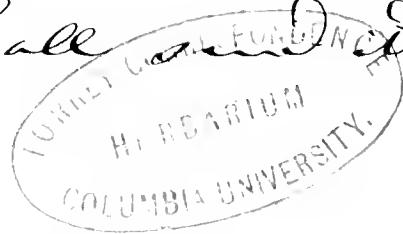
and by the Hartford board, I will forward the money
to Dr. Chilton 263 Broadway. Possibly I may not
be able to do it immediately, but it may be de-
ferred upon within a reasonable time. I wish
it made on the construction most approved by you-
self.

Our word now. Dr. Mitchell's proportion are $1\frac{1}{4}$ lbs
bicar. soda, $\frac{2}{3}$ fluid ounces of water, & $\frac{9}{10}$ fluid ounces
of common sal. acid. Permit me to inquire what
he means by fluid ounces? Does he intend ones
as they would be measured in a glass graduated
for measuring water? This is what I
have supposed, as it will make the quantity
of acid present much sufficient to neu-
tralize the soda.

In sincerity and high esteem
Yours in. John Johnston.

J. T. Tracy M.D.

P.S. Dr. Baird informs me he intend to visit
N. York soon, and may be there even before
this reaches you, since I shall ~~send~~ be pre-
occupied.



John Henry Lloyd
College of Physicians & Surgeons
1885 by
West Book



and Soc. and

Wesleyan University
Middletown, Ct.



Dear Sir, — Prof. Shepard of New Haven was expected to deliver an address before the Environs Society of the Wes. University, at our late commencement, but he was obliged to relinquish it in consequence of his sailing for Europe about the same time; and having no substitute we failed of having any address. In order to avoid a similar occurrence again, it has been proposed to adopt the plan pursued by many associations of a similar character, and appoint a substitute, who may be prepared, should the regular appointee fail, ^{but if} he should perform, should be considered the regular orator for the succeeding year. Prof. Shepard, it is hoped, may be able to give us next year the address it is supposed he had partly, at least, prepared for our late anniversary, but it is not certain; and the subscribers or a committee of the Soc. would be pleased to know whether, if he should fail ^{it is not guaranteed}, it would be convenient for you to honor us with an address; or, if otherwise, to give it to us at our succeeding commencement!

The address has usually been delivered

the afternoon of the day preceding commencement,
which takes place the first Wednesday of Aug.

The committee are authorized to make the appointment, and should your reply be in the affirmative, we shall place one dependent accordingly.

Very respectfully,

J. Torrey M.D.

John Johnston { Com. of Co.
J. H. Goodale } Society.

Dr. Torrey

Dear Sir, — Permit me to add my personal solicitation to the above, that you will honor us in the manner proposed. A visit from you, even without any such object in view, would be very gratifying to many in this place, and especially at our library anniversary; and may we not hope the two objects will be combined?

I was glad to hear from you a day or two since, by Dr. Bancroft who by the way, does not yet loose any of his enthusiasm in the cause of science, and especially in Botany! I presume his Catalogue of the plants ^{of every naturally} in Middleboro' and vicinity, if it is ever published, will be one of the best things of the kind that has appeared, and singularly accurate and full in references &c.

I have been constructing a co. and apparatus,
which I have tested thoroughly several times, and
it stands its stop-cocks and all perfectly; and
once I obtained a little of the solid. Just as
I was ready however to operate with it, every
in-cellae in this place failed, and I am now
waiting for a new crop, of which we begin to
have some indication! It is destitute of gauge,
and no regard has been paid to the appearance
of the thing; but I think I shall approach
the N. York manufacturers with respect to
the last! And a little caution perhaps ~~will~~
^{should} be observed in this respect, till I have pursued
it further! How large should the tube be which con-
nects the generator and receiver, as well as the
apparatus of the stop-cocks? I have thought I may
have made them too small.

What are the peculiarities of the Raspail mi-
croscope of ^{which} Prof. Baileys speaks in his article on forie
infusoria, and where can it be obtained? How do
you use the glass globules you prepare for lenses? In
the common comp. microscope! I have some specimens
of infusoria, as I suppose, from the state of Maine and
other places, but have not the means of determining them.
Have you any specimens to spare?

Accept assurances of my sincere regards
Respectfully yours etc. John Johnston

John Jones M.D.
Prof. of Chemistry, College of Physicians
and Surgeons
John Jones Esq by
Rev. H. Bradstock



Middletown, Ct. Nov. 3. 1840.

Dear Sir,

Accept my acknowledgements for
a good word from you through Dr. Barratt, on one
or two occasions, during the past ~~season~~.

We have the materials ready, and am about
commencing the construction of a galvanic battery,
which we design to contain about 140 pieces of plates.
It has occurred to me that an instrument may
be constructed so as to be made either a deflagrator
or calorimeter, at pleasure; but it would require too
much space to attempt ^{here} a description of the means
by which this is to be accomplished! Has a battery
of this kind ever been constructed?

During our last vacation I made a hasty jour-
ney to my native state, Maine, where I found
the *Habenaria Deflexa* (Swertia Deflexa of some authors)
and the *Orechis Obligata* in great abundance. The
latter is (I think) the *Platanthera Obligata* of Hooker.
Not having attempted the collection of a herbarium
myself, I gave my specimens to Dr. Barratt, who
indeed determined the species. The Dr. says "the
species are somewhat rare in the N. States; and
as I intend to visit the place again another



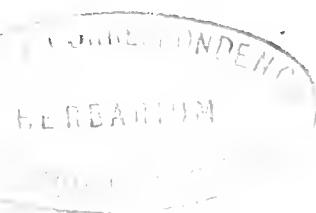
season, if Providence favors, I will collect some specimens for you if they would be desirable. They are found in Bristol Lincoln co., some four or five miles from Penaguid Point Light-House.

Our apparatus for solidifying car. acid performs the operation on a small scale to admiration. I am about adding a gauge to determine the height of the liquid in the receiver. I have lately prepared quite a number of tubes of liquid acid. I think I prefer ~~yesterdays~~ method of sealing hermetically; strange as it may seem I have never yet succeeded in cementing a cap on so as to stand perfectly for more than a day or two!

Very Respectfully

J. Gray M.D.

Yours & John Johnston



and
verbally

Middleboro, Lt. Feb. 20, 1841.

My dear sir,

Your favor of the 17th inst. has just come to hand, and I hasten to reply.

As your letter was not received till evening, I can not get ready to leave on Monday, but if nothing unexpected occurs, I shall hope to see you in your laboratory before the arrival of your horse for lecture on Tuesday evening. The apparatus may then be put in order for exhibition on Wednesday; and if it will suit your convenience, I shall be happy to attend to it the day, Providence permitting. If you have any desire to use it further, I shall have no objection to leaving it here with so kind and careful a friend.

Very respectfully, yours &

Dr. John Torrey.

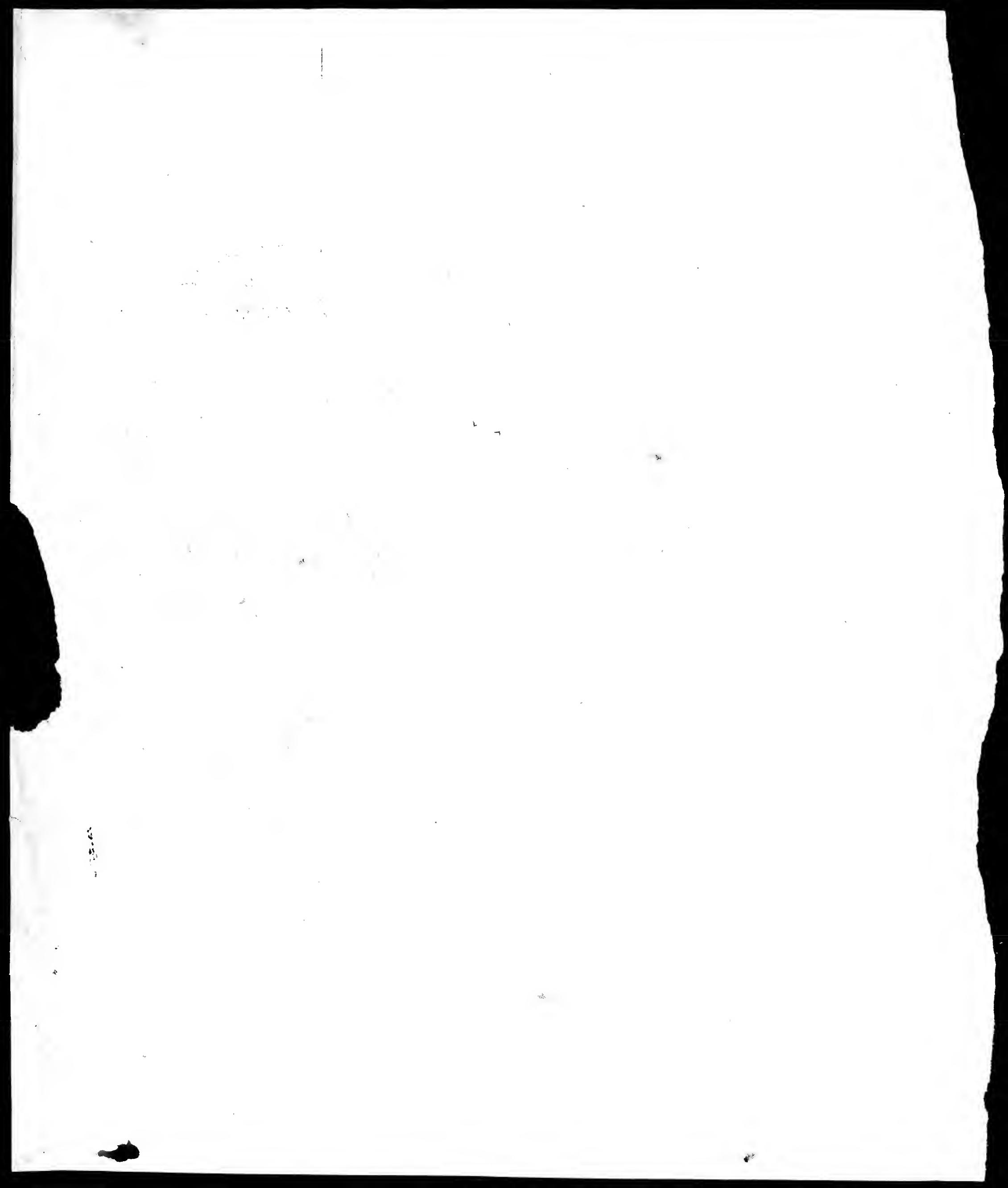
John Johnston

O. S. I have today just prepared an article on the proper construction and use of apparatus for solid, cap. and liquid analysis, for Illinois' Journal, which I presume will appear in the July No. the one forthcoming, being now about full. Perhaps it will not be thought worthy to appear at all!

Prof. S., accompanied by his son, has just gone to Boston to commence work on his course in chemistry-laboratory, or rather, in the "Larch Institute."

J. J.

P.S. I shall be under the necessity of returning Thursday

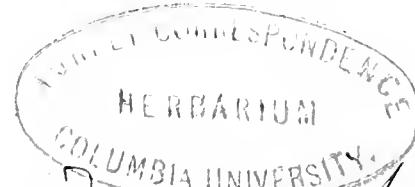


Rec'd March 2nd.

and April 6th

Middleton, Ct. March 2d, 1841.

Dear Sir,



Dr. Barnatt favored me with a reading of your letter to him a few days ago. Your improvement in the valve for the C solidifying apparatus is exceedingly gratifying. I am inclined to think the valve must be better than ^{the} old one, being & much more simple in its construction, independent of the fact that it must so admirably obviate the difficulty we had to contend with before. I soon expect a short article from you on the general subject will appear in the July No. of the Amer. Journal, and I think it may be worth while to add a manuscript giving a description of the improvement, and the difficulty it is particularly designed to obviate. Would you have my objection to such a course?

Can you give me any suggestions from which I may profit with regard to publishing a second edition of my Chemistry? A large part of the edition printed has been disposed of, and I intend soon to commence preparation for a second. I should be glad to have it published in the U.S., if some responsible publisher could be found who would like to take hold of it. My intention is to arrange it about

50 pages, and bring the volume fully up to the present time, and introduce many more figures or a number more, all which I think may be done without increasing the price much if any. Would Messrs. Wiley & Putnam be likely to think favorably of the proposition if it were made to them? Any suggestions on the subject, at your convenience, would be most gratefully received.

I shall ever remember my late visit to your city, both as it was, with great pleasure & satisfaction. Dr. W. is not, as I can have, doing any thing in particular just at the present time!

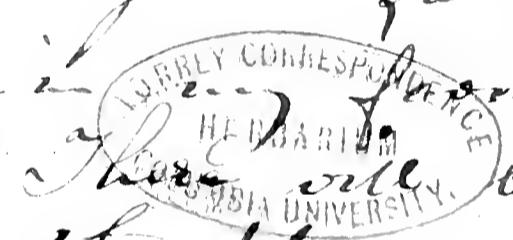
Please present my sincere regards to your excellent lady and daughter, and also to Dr. Gray, and believe me

obliged yours as ever I am
Dr. T. Torrey.

P.S. I left a small box in your laboratory containing a small quantity of a powder that was collected by Dr. Jackson in his survey of claims at Bluehill, and was labelled when it came into my hands "Hydrate of silica." Does it contain information in a fossil state? Yours truly D. T.

Middleton, &c., April 18, '45.

Dear Sir,

A vacancy having occurred in the professorship of Chemistry in the Pittsburgh Medical Institution of Ohio, some of my friends there have persuaded me to offer myself for the place, and desire that I should obtain such testimonials of my fitness for it ~~the place~~ as may be convenient. As it has been my good fortune to form your acquaintance with yourself in your past, it would afford me great satisfaction if you can give a word in  favor in reference to this matter. There will be considerable competition for the place, and the desire, it is expected, will be made before long, so that a reply at as early a period as may be convenient, is desirable.

I was in New York last Friday, and after finding the Medical College, I stepped in and took a peek at your big game! It is a grand affair. Would that I could have seen it in execution!

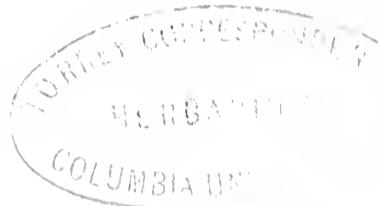
You find Dr. Bancroft often absent of
you. He is busy or ever collecting the various
branches of science. I believe he intends to bring
forward some of his production at the approaching
scientific meeting in N^o^r Haven, of which
you will no doubt hear.

My affectionate regards to yourself, lady and
family.

Very respectfully

Prof. John Torrey, M. D.

John Johnston



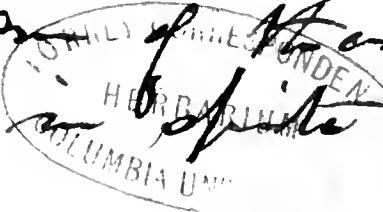
etc.

Middleton, Et. March 25, 1846.

My dear Sir,

Your very acceptable favor
came to hand last evening, and found me
suff'ring with the cuts and bruises occasioned
by the bursting of a Gas tube, ^{after hours before} in my hands
and face. Fortunately, my eyes escaped unhurt,
but two fingers of my left hand and my face
are badly cut. But why so careless? I suppose
you are disposed to ask. The particulars are hardly
worth detailing, but it was ~~one of those~~ accidents
that will sometimes occur, ^{in spite} of every
precaution.

I will not attempt to disguise the fact
that I was particularly gratified to receive
your favor; for though I have no claim upon you,
it is not therefore any the less agreeable to be re-
minded by one for whom I had conceived so high
an esteem. But do not suppose I have it
any disposition to complain, because of my not
having a reply to my request with reference
to the Wilmerphy Medical School. Not at all!
I knew too well the constant and pressing
demands upon your time, and did not fail
to adopt the most hypothesis in reference to



the matter. And although I failed to obtain the place I sought, I do not suppose it was because of any lack in the recommendation by which my claims (if I may use such a word in this connection) were supported. At Doct. Smith of Lowell (I believe) was elected; and I have been given to understand that the decision of the question turned chiefly upon the fact of his having a regular M.D. But there were several other candidates, among whom was Prof. Hubbard of Dartmouth College.

As I am upon this subject, I will just say that, as we have a long vacation in the winter, I would still be pleased to occupy the chair of Chemistry in your Medical Institution which holds its sessions at this season, and if it should happen at any time, when you are invited to recommend a candidate for such a place, if you can ^{RE: CORRESPONDENT} conveniently present my name, it will be considered a great favor.

Has Doct. ^{DR. BARRETT} informed you of his discovery of iron-marks in the new red sandstone of the Connecticut valley? You have probably seen some notice of it in the account of the meetings of the American Association at New Haven, last August. The Dr. is enthusiastic with regard to it, and considers the point as demonstrated. I have directed my attention to the subject a little this year past, and have especially observed the markings in the mud-walls made by the freezing of

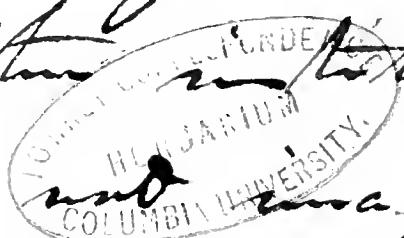
to crystals of
water on the surface. I have, I must confess, perceived
a striking resemblance between stone and the markings
in the stone, but it will require of course a large cum-
mulation of evidence in favour of the position, before it
can be admitted, in opposition to the notion which now
prevail with regard to the climate of the distant pe-
riod when this stone was deposited.

The Dr. has also been giving his attention committed
to the study of languages, as the Hebrew, Arabic, Chi-
nese, &c., not omitting the interesting subject of the
languages of the Aborigines of America. If late
he has been pushing his investigation ^{CO. LIBRARY} ~~into the Irish,~~
and in the absence of a dictionary, ^{UNIVERSITY} ~~which~~, unfortu-
nately, our little plan does not supply, he is making
use of an intelligent Irishman in forming a com-
pact vocabulary! He is certainly a most industri-
ous man; and in several branches of Natural
History he has formed collections, which it is very law-
ful for the ardent student of Nature to admiring
it and to copy.

I am glad to hear that you two vols. of the
great work of the Nat. History of the Eastern
States are soon to be published. We have made
arrangements, so that we hope to receive the
10 vols. next published soon, and we hope too
the other vols. as they may be published, - but
we have to pay a pretty good price. It seems
to me the legislature of the state managed
that matter badly. After spending an immense sum

in the money, and in the preparation of the work,
they contrived an admirable mode of distribution
just to ^{had the} advantage of their own liberty
into the pockets (in too many instances,
of undeserving speculators).

The people of this place are all engaged
now to the project of connecting the
cities of New York & Boston by a continuous
railroad. If constructed as proposed, it will
pass through this place, which is about mid-
way between the two termini.

I am glad to hear of the success of
the old College of Phys. & Surgeon in New
York; and if the other ~~other~~ institution makes
soon now, I do  and imagine you will
find any difficulty in living and flourishing
by this side.

My sincere regards to your excellent lady
and daughters, and to Prof. Henry & family, and
forgetting my friend Mr. T. Bayley if you should
see him. I wish you every
Prof. J. Young M. D. John Goldstein

Middleton, Oct. 30, 1848.

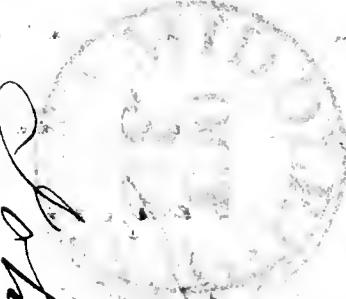
My dear Drd.,

It affords me sincere pleasure to perform the work of supervision which you requested; and herewith I send you such a document as I suppose the circumstances require. If in any thing it can be amended - as is very probable - please return it, with the proper suggestions, and it shall have immediate attention.

We seem to be destitute of scientific news at present - all attention is turned towards our railroad which is to connect us with New Haven and New York. When it is finished - if the thing does not take place before - I shall seriously expect that visit "in situ."

Dr. Bennett has been for a year or more almost overwhelmed with his difficulties in prosecuting the study of the Irish language and cognate dialects among the Irish people in this vicinity, aided occasionally by a reference to books! A day or two since he showed me a beautiful animal specimen with which I am not familiar but he had not been able to determine it, nor could I by mere inspection. He was under injunction of secrecy from the discoverer, so that I do not know its "habitat." So his light tells him. Yrs John Robertson
Dad. & Sons: 16. S.

P. J. Fletcher



John Jones M.D.

BOSTON

College Physicians & Surgeons

by Dr. John Cook.



Middleton, L.L., June 17, 1844

My dear Sir,

Please accept my thanks for
your kind favor. The information
you communicate is interesting
to the friend.

It must seem very hard I
see it to hear no increase,
or even indeed with less injury
as in the case of a man
already weak, or the
mother is not capable of applica-
tion, though to attempt it now
would require some peculiar skill.
The friends are indeed not loquac-
ious about this, for say see the
regular physician; in case of
any success in their present
effort to improve our family I
may think it appropriate to seek
another place.

A place in a medical col-

large & you suggest rock & soil
soil & all provided I remain even
especially in one other I can
be engaged during the week,
as to Monday. But I am
so tired - I don't work in
most to ill such a place at
less of my classes of the year.

I am well aware, that, already,
you connect with them immediately
nearly nineteen years, it
is scarcely surprising, of course
easier to leave it for another,
& probably not be alone hastily. And
a few weeks ago I had the offer of
a place in a cottage in Western
New York, and I did not consider
it any better than the one I hold
& therefore declined.

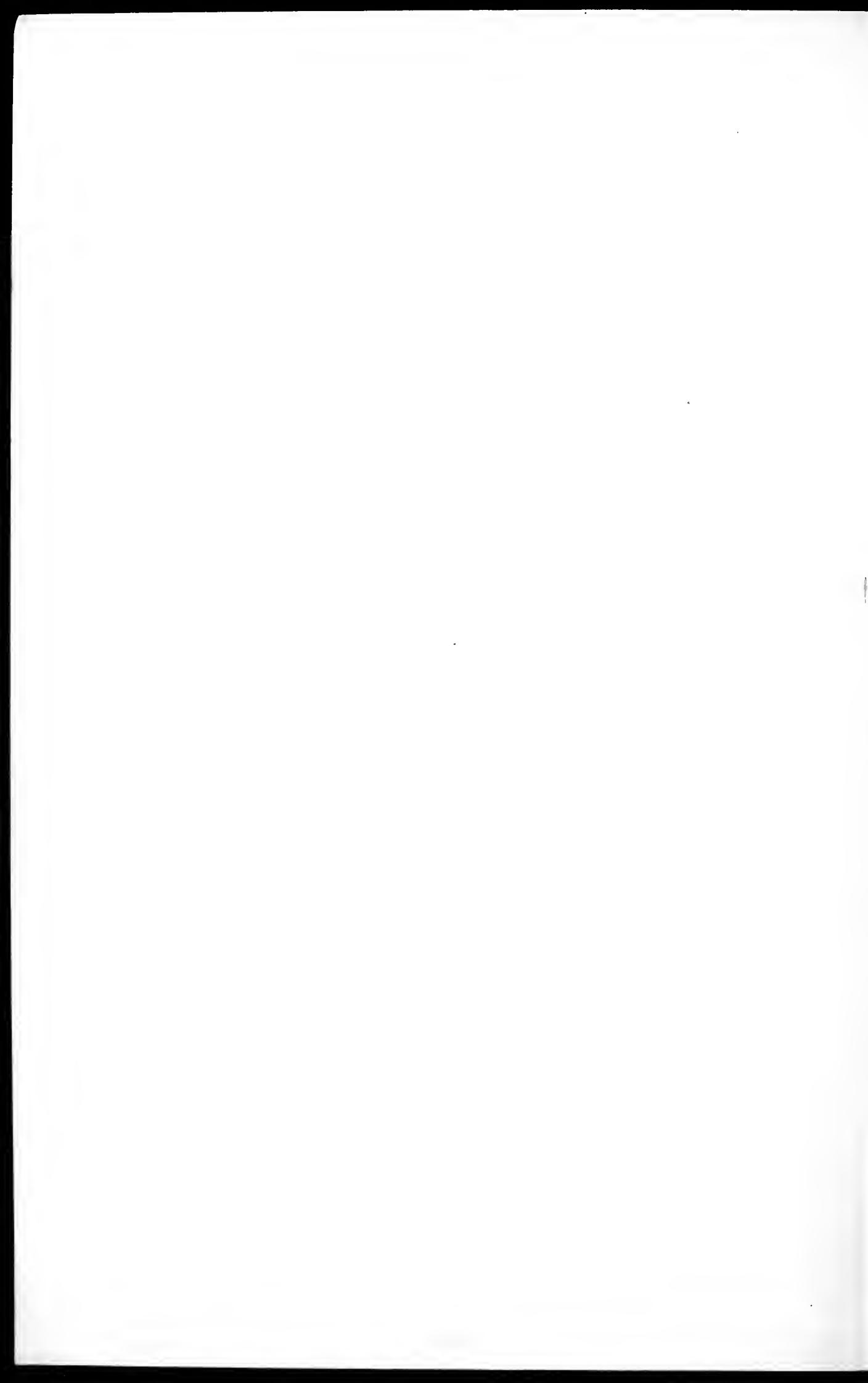
I desire that becomes a friend
and always will be so - & for
such a purpose I have - here
below will not find any others

I have often thought over
the subject of how we can engage
our friends to turn our attention to
the study and the memory of the great
names who have done so much for us
and whose names should be preserved
in the memory section to add to
the elements!

Had not the study of the
names, if you will accommodate me
occurred to me at first, and I have
practiced it all the time. ~~1688, 1700, 1702~~ you
will do me a favor by ~~allowing~~ ~~allowing~~
my name.

Especially you -

I know I am not a
very interesting character.



Middleton, Feb. 20/57

My dear Sir,

It few days after

I saw you in New York the testimonial program for me
was used on a former occasion
was formed by Mrs. Haring, &
forwarded to me for examination. I have done so; & thinking
them as good as new, I have
taken the liberty to forward
them again, with some additional
~~these~~^{material} as will be shown by
the dates. Many of them I had
not seen before, & among them
an excellent one from yourself which, notwithstanding
your stand relative to the
bank of Tongtze, I trust you
will still allow me to use.

I called at the house of Dr.
Harrington with the letter you

kindly gave me, had un-
fortunately he was not so
busy & being obliged to leave
in the afternoon, I did not
see him.

I handed over your accusations
~~against~~ against our old friend,
Dr. Barnard, the first time
I saw him after my re-
turn, &, like an honest
man, he confirmed the whole
as true! it is he who was careful
to take your exact address,
I presume he has written
you before this.

There is visiting Spanish
now with no. Prof. Borsig,
whom I saw in New Haven
a week ago, informed me that
is mining the granite in
granite, they have recently
discovered crystals of columbite,

which, for beauty, entitles a
specimen an ~~constrained~~ speci-
men!

And faithfully yours, n
John Weston

Prof. John Brown, M.D.

